

# Sequence Listing

<110> Shen, Ben-Quan  
Zioncheck, Thomas

<120> MODULATION OF eNOS ACTIVITY AND THERAPEUTIC USES THEREOF

<130> P1735R1

<140> US 09/700,806

<141> 2000-11-02

<150> PCT/US00/30294

<151> 2000-11-02

<150> US 60/163,132

<151> 1999-11-02

<160> 4

<210> 1

<211> 57

<212> DNA

<213> Artificial

<220>

<221> Misc\_feature

<222> 1-57

<223> Sequence is synthesized.

<220>

<221> unsure

<222> 19, 20, 21, 28, 29, 30, 31, 32, 33, 40, 41, 42

<223> N at indicated positions may be G, A, T or C; S at indicated positions may be C or G

<400> 1

cacgaagtgg tgaagttcnn sgatgtcnns nnsccgagcn nstgccatcc 50

aatcgag 57

<210> 2

<211> 42

<212> DNA

<213> Artificial

<220>

<221> Misc\_feature

<222> 1-42

<223> Sequence is synthesized.

<220>

<221> unsure

<222> 16, 17, 18, 22, 23, 24, 25, 26, 27

<223> N at indicated positions may be G, A, T or C; S at indicated positions may be C or G

<400> 2

gggggctgct gcaatnnsa gnnsnnsag tgtgtgccca ct 42

<210> 3

<211> 990

<212> DNA

<213> Homo sapiens

<400> 3

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gaaaccatga actttctgct gtcttgggtg cattggagcc tcgccttgct 100  
gctctacctc caccatgccca agtgggtccca ggctgcaccc atggcagaag 150  
gaggagggca gaatcatcac gaagtgggtga agttcatgga tgtctatcag 200  
cgcagctact gccatccaat cgagaccctg gtggacatct tccaggagta 250  
ccctgatgag atcgagtaca tcttcaagcc atcctgtgtg cccctgatgc 300  
gatgcggggg ctgctgcaat gacgagggcc tggagtgtgt gccactgag 350  
gagtccaaca tcaccatgca gattatgcgg atcaaacctc accaaggcca 400  
gcacatagga gagatgagct tcctacagca caacaaatgt gaatgcagac 450  
caaagaaaga tagagcaaga caagaaaatc cctgtggggc ttgctcagag 500  
cggagaaagc atttgtttgt acaagatccg cagacgtgta aatgttcctg 550  
caaaaacaca gactcgcgtt gcaaggcgag gcagcttgag ttaaaccgaac 600  
gtacttgag atgtgacaag ccgaggcggt gagccgggca ggaggaagga 650  
gcctccctca gggtttcggg aaccagatct ctcaccagga aagactgata 700  
cagaacgac gatacagaaa ccacgctgcc gccaccacac catcaccatc 750  
gacagaacag tccttaatcc agaaacctga aatgaaggaa gaggagactc 800  
tgcgagagc actttgggtc cggagggcga gactccggcg gaagcattcc 850  
cgggcgggtg acccagcacg gtccctcttg gaattggatt cgccatttta 900  
ttttcttg tgctaaatca ccgagcccgg aagattagag agttttattt 950  
ctgggattcc tgtagacaca ccgcgccgc cagcacactg 990

<210> 4

<211> 191

<212> PRT

<213> Homo sapiens

<400> 4

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1				5					10				15	

Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala  
 20 25 30  
 Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp  
 35 40 45  
 Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp  
 50 55 60  
 Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro  
 65 70 75  
 Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu  
 80 85 90  
 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln  
 95 100 105  
 Ile Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met  
 110 115 120  
 Ser Phe Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp  
 125 130 135  
 Arg Ala Arg Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg  
 140 145 150  
 Lys His Leu Phe Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys  
 155 160 165  
 Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn  
 170 175 180  
 Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg  
 185 190